Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A ~~Recording~~ recording method ~~for recording~~ to record ~~the~~ a status of an artificially ventilated lung of a patient in accordance with a plurality of lung positions, the patient lying in a nursing bed and ~~the~~ a position of the artificially ventilated lung is moveable by a position actuator, comprising the steps of:

a) moving the artificially ventilated lung by the position actuator to a defined lung position,

b) determining the status of the artificially ventilated lung, and

c) recording the status of the artificially ventilated lung in accordance with the defined lung position.

Claim 2 (currently amended): The ~~Recording~~ recording method ~~according to~~ of claim 1, wherein the nursing bed is rotatable around its longitudinal axis and wherein the position actuator is a motor rotating the nursing bed around its longitudinal axis.

Claim 3 (currently amended): The ~~Recording~~ recording method ~~according to~~ of claim 1, wherein the position actuator comprises air cushions provided underneath the patient.

Claim 4 (currently amended): The ~~Recording~~ recording method ~~according to~~ of ~~one of the claims 1 – 3~~ claim 1, wherein the defined lung position is reached by a predetermined step size of the position actuator.

Claim 5 (currently amended): The ~~Recording~~ recording method ~~according to~~ of ~~one of the claims 1—3~~ claim 1, wherein the defined lung position is reached in accordance with a feed back signal of a position sensor measuring the actual lung position.

Claim 6 (currently amended): The ~~Recording~~ recording method ~~according to~~ of ~~one of the claims 1—5~~ claim 1, wherein the status of the artificially ventilated lung ~~is~~ includes a measure of a regional or a global information on lung morphology and/or lung function.

Claim 7 (currently amended): The ~~Recording~~ recording method ~~according to~~ of ~~one of the claims 1—5~~ claim 1, wherein the status of the artificially ventilated lung ~~is~~ includes a measure of the functionality with regard to the global gas exchange of the lung.

Claim 8 (currently amended): The ~~Recording~~ recording method ~~according to~~ of ~~one of the claims 1—7~~ claim 1 , wherein the determined status of the artificially ventilated lung ~~is recorded~~ includes recording by a computer in accordance with the corresponding defined lung position.

Claim 9 (currently amended): The ~~Recording~~ recording method ~~according to~~ of ~~one of the claims 1—8~~ claim 1, wherein the steps a) , b) , and c) are repeated with a predetermined differential step size of the position actuator until the status of the artificially ventilated lung has been determined over a predetermined range of lung positions.

Claim 10 (original): A ~~Controlling~~ controlling method ~~for controlling~~ to control at least one ventilation pressure of an artificial ventilator for ventilating an artificially ventilated lung of a patient in accordance with a plurality of lung positions, the patient lying in a nursing bed and the position of the artificially ventilated lung is moveable by a position actuator, comprising the steps of:

a) obtaining lung status information which is based on at least two supporting points of a first status of the artificially ventilated lung in accordance with a first lung position and a second status of the artificially ventilated lung in accordance with a second lung position,
b) moving the artificially ventilated lung by the position actuator to a defined lung position,
c) controlling of at least one ventilation pressure in accordance with the defined lung position and in accordance with the lung status information related to said defined lung position.

Claim 11 (canceled)

Claim 12 (currently amended): The ~~Controlling~~ controlling method ~~according to one of the claims 10—11~~ of claim 10, wherein the lung status information is interpolated between the supporting points in accordance with the difference between two ~~neighbouring~~ neighboring supporting points.

Claim 13 (currently amended): The ~~Controlling~~ controlling method ~~according to one of the claims 10—12~~ of claim 10, wherein at least one ventilation pressure is controlled such that the lung status information yields a homogeneous distribution over a plurality of lung positions.

Claim 14 (currently amended): A ~~Positioning~~ positioning method ~~for controlling~~ to control the change of ~~the~~ a position of an artificially ventilated lung of a patient, the patient lying in a nursing bed and the position of the artificially ventilated lung is changeable by a corresponding position actuator, comprising the steps of:
a) providing a periodical controlling signal having a distribution of a plurality of position periods and/or of a plurality of amplitudes,
b) controlling the position actuator by said periodical controlling signal.

Claim 15 (currently amended): The ~~Positioning~~ positioning method ~~according to~~ of claim 14, wherein the distribution is compiled via a user's interface on the basis of a given set of periodical controlling signals.

Claim 16 (currently amended): The ~~Positioning~~ positioning method ~~according to~~ of claim 14, wherein the distribution is compiled in accordance with lung status information which is based on at least two supporting points of a first status of the artificially ventilated lung in accordance with a first lung position and a second status of the artificially ventilated lung in accordance with a second lung position.

Claim 17 (currently amended): A ~~Recording~~ recording apparatus ~~for recording~~ to record ~~the~~ a status of an artificially ventilated lung of a patient lying in a nursing bed in accordance with a plurality of lung positions, comprising:
a) a position actuator ~~for moving~~ to move the artificially ventilated lung to a defined lung position,
b) determining means ~~for determining~~ to determine the status of the artificially ventilated lung, and
c) recording means ~~for recording~~ to record the status of the artificially ventilated lung in accordance with the defined lung position.

Claim 18 (original): The ~~Recording~~ recording apparatus ~~according to~~ of claim 17, wherein the nursing bed is rotatable around its longitudinal axis and wherein the position actuator is a motor rotating the nursing bed around its longitudinal axis.

Claim 19 (currently amended): The ~~Recording~~ recording apparatus ~~according to~~ of claim 17, wherein the position actuator comprises air cushions provided underneath the patient.

Claim 20 (currently amended): The ~~Recording~~ recording apparatus ~~according to one of the claims 17 – 19~~ of claim 17, wherein the defined lung position is reached by a predetermined step size of the position actuator.

Claim 21 (currently amended): The ~~Recording~~ recording apparatus ~~according to one of the claims 17 – 19~~ of claim 17, wherein the defined lung position is reached in accordance with a feed back signal of a position sensor measuring the actual lung position.

Claim 22 (currently amended): The ~~Recording~~ recording apparatus ~~according to one of the claims 17 – 21~~ of claim 17, wherein the status of the artificially ventilated lung is a measure of a regional or a global information on lung morphology and/or lung function.

Claim 23 (currently amended): The ~~Recording~~ recording apparatus ~~according to one of the claims 17 – 21~~ of claim 17, wherein the status of the artificially ventilated lung is a measure of the functionality with regard to the global gas exchange of the lung.

Claim 24 (currently amended): The ~~Recording~~ recording apparatus ~~according to one of the claims 17 – 23~~ of claim 17, wherein the determined status of the artificially ventilated lung is recorded by a computer in accordance with the corresponding defined lung position.

Claim 25 (currently amended): The ~~Recording~~ recording apparatus ~~according to one of the claims 17 – 24~~ of claim 17, wherein a predetermined differential step size is applied repeatingly to the position actuator until the status of the artificially ventilated lung has been determined over a predetermined range of lung positions.

Claim 26 (original): A ~~Controlling~~ controlling apparatus ~~for controlling~~ to control at least one ventilation pressure of an artificial ventilator for ventilating an artificially ventilated lung of a patient lying in a nursing bed in accordance with a plurality of lung positions, comprising:
a) means for obtaining lung status information which is based on at least two supporting points of a first status of the artificially ventilated lung in accordance with a first lung position and a second status of the artificially ventilated lung in accordance with a second lung position,
b) a position actuator ~~for moving~~ to move the artificially ventilated lung to a defined lung position,
c) means for controlling of at least one ventilation pressure in accordance with the defined lung position and in accordance with the lung status information related to said defined lung position.

Claim 27 (currently amended): The ~~Controlling~~ controlling apparatus ~~according to~~ of claim 26, wherein the lung status information is obtained by using the recording apparatus according to claim 25.

Claim 28 (currently amended): The ~~Controlling~~ controlling apparatus ~~according to claims 26 - 27~~ of claim 26, wherein the lung status information is interpolated between the supporting points in accordance with the difference between two neighbouring supporting points.

Claim 29 (currently amended): The ~~Controlling~~ controlling apparatus ~~according to claims 26 - 28~~ of claim 26, wherein at least one ventilation pressure is controlled such that the lung status information yields a homogeneous distribution over a plurality of lung positions.

Claim 30 (currently amended): A ~~Positioning~~ positioning apparatus ~~for controlling~~ to control the a change of ~~the~~ a position of an artificially ventilated lung of a patient lying in a nursing bed, comprising:

a) a position actuator for changing the position of the artificially ventilated lung,
b) means for providing a periodical controlling signal having a distribution of a plurality of position periods and/or of a plurality of amplitudes, and
c) means for controlling the position actuator by said periodical controlling signal.

Claim 31 (currently amended): The ~~Positioning~~ positioning apparatus ~~according to~~ of claim 30, wherein the distribution is compiled via a user's interface on the basis of a given set of periodical controlling signals.

Claim 32 (currently amended): The ~~Positioning~~ positioning apparatus ~~according to~~ of claim 30, wherein the distribution is compiled in accordance with lung status information which is based on at least two supporting points of a first status of the artificially ventilated lung in accordance with a first lung position and a second status of the artificially ventilated lung in accordance with a second lung position.

Claim 33 (new): The controlling method of claim 10, wherein the lung status information is obtained by a recording method, the recording method to record a status of an artificially ventilated lung of a patient in accordance with the plurality of lung positions, the recording method comprising the steps of:
a) moving the artificially ventilated lung by the position actuator to a defined lung position,
b) determining the status of the artificially ventilated lung,
c) recording the status of the artificially ventilated lung in accordance with the defined lung position, and

repeating the steps a), b), and c) with a predetermined differential step size of the position actuator until the status of the artificially ventilated lung has been determined over a predetermined range of lung positions.